# AMERICAN FARMER.

# Bural economy, internal improvements, price curbent.

" O fortunatos nimium sua si bona norint " Agricolas." . . . . VIRG.

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### AGRICULTURE.

### HEMP.

In compliance with the wishes of a correspondent expressed in a late number of the Farmer, we have collected several papers on the culture of HEMP. The subject is an important one, and will become more obviously so, as the demand increases under the favor shown by the Navy Commissioners to the domestic manufacture of sail-cloth. As the knowledge of the culture and management of Hemp spreads through the country—so will its capacity to produce it, be developed and understood. [Edit. Am. Farm.

### FROM THE RICHMOND ENQUIRER.

The Agricultural Society of Richmond having receiv ed some valuable communications from very respectable correspondents, the benefit of which they are desirous of extending, as quickly and as diffusedly as possible, amongst their Agricultural brethren, have directed a publication in your paper of the follow-

1. The copy of a letter from W. C. Nicholas, of Albemarle, to Mr. Rodman, of North-Carolina, concerning the culture of HEMF, communicated by Mr. Nicholas, addressed under cover to the Society.

2. A letter from T. S. Slaughter, of Culpepper, to the Secretary, conveying an answer to certain queries lately proposed by the Society.

3. A communication from Theo. Armistead, Norfolk, relative to the preparation of TANNIN for exportation, a new subject of rural economy, particularly interesting to the Farmers of the middle country.

NO. 1.

May 4th, 1811.

Your favour of the 24th March was received by the last mail. Your application to me for instructions respecting the cultivation of Hemp, required no apology. The little success I have myself experienced, is due to the kindness of those to whom I applied for information when I began the culture.— This imposes on me the obligation of imparting to others what was so liberally communicated to myself. Another motive, of itself irresistible, is my earnest desire to promote the prosperity of my country, to which, I presume, nothing can more contribute than varying the useful products of our soil, so as to prevent the consequences which would necessarily flow from confining the agricultural labor of the country, to the production of a few articles. Hemp has strong recommendations; it is, intrinsically, worth as much cotton can be applied, and to others for which cotton will not serve; to commerce it is indispensable; and is the material of the manufacture, best suited to our wants, and to our population When imported, hemp must be paid for with money, as it is the product of countries exclusively agricultural, which take none of our productions in exchange. Its bulk, and the distance of the countries whence it is brought, renders the expenses of transportation almost equal to the prime cost. It does not impoverish land, nor

ple and satisfactory as I desire.

I am inclined to believe that your climate is not the most suitable to hemp; the plant may grow as large, and perhaps larger than in higher latitudes, but I expect that the bark will be lighter and coarser. My residence is twenty miles East of the Blue Ridge, and I doubt whether it would be possible with the same management, to make as good hemp at this place as could be made West of the Allegany It is true that Hemp is made in considerable quantities, in Spain and Italy, but as the most more ime and commercial nations of Europe derive their supplies from Russia, I conclude that the Northern hemp must

I will now answer, with as much fulness as I can. dark rich loam. I have not found land in which either sand or clay predominates, very favorable for hemp. On rich sandy land, the hemp grows to a great height, but the bark is coarse and light. On stiff clay I have never seen the hemp tall enough to yield a great crop. The plant depends chiefly on a long tap root, furnished with a few fibrous roots, the tap root peneadvantage or disadvantage? - Answer I learned very early that wet land did not suit hemp, and my fire" has become an agricultural adage. what time is it best to sow hemp seed, and whether it would answer to sow in the fall as I have been in formed has been done in Virginia? - The usual tained all the information I possess, excepting what I have acquired by the practice of three years, is from the 15th of April to the 10th May. The month bloom, and the other half bear the seed. And the Last ble to spring crops than we have ever known, our proved better than late sown-its superiority in common years will not be questioned. The advantages of early sowing are not confined to the single circumstance of producing superior bark, but by having an early growth, it smothers the other plants and weeds, and before the sun becomes very powerful, covers the or not, but in sowing early land that had been in ed, and is not pulled until the corn no longer requires have sprung from seed accidentally scattered the fall outside of the tops of the stacks, which will wret soon-cultivation; it needs no attention at the periods before. Of this I am certain, that hemp is a very when wheat demands the labor of the farm, either hardy plant, and that frost, to kill it, must be very be spread so thin as to cover at least three times as for sowing, harvesting or threshing. From these re-severe. I cannot, however, assert that it would stand much ground as it grew upon. The length of time

marks you will learn my opinion of the value of the the winter, but am persuaded that if it would, the hemp crop, in its relation to political as well as rural crop would be superior to a spring sown crop. My economy. The interference of public duties, and ill have prevented me from giving so much attention to this culture, during the short period I have been engaged in it, as I could have wished, and I regret that my information will not, therefore be so ampered; it should be broken at least ten perfectly prepared; it should be broken at least ten perfectly prepared; it should be broken at least ten perfectly prepared; it should be broken at least ten perfectly prepared; it should be broken at least ten perfectly prepared; it should be broken at least ten perfectly prepared; it should be broken at least ten perfectly prepared; it should be broken at least ten perfectly prepared; it should be broken at least ten perfectly prepared; it should be broken at least ten perfectly prepared; it should be broken at least ten perfectly prepared; it should be superior to a spring sown crop. My or twelve inches in depth, and be loose and fine before it is sown. I effect this by trench ploughing in the fall, and plough at least twice afterwards; my last operation, previous to seeding, is to harrow the ground, in order that the seed may be sown on a surface perfectly smooth and level, which enables the seedsman to distribute it equally. I then plough it in, and in that state the land is left. When I commenced the culture, my practice was to harrow in the seed, but abandoned it on observing that the land was more apt to bake in the smooth order it was left by the harrow, than in the state which the plough leaves it. When a rain fell before the seed came up, on ground that had been harrowed, I observed a crust formed on the surface, through which the tender sprout could not penetrate, and which forced it to your inquiries.—Question 1st. What is the kind and turn down, in that situation many plants perished. I quality of soil most proper for hemp? Answer—A once had a sowing of eight or ten acres, on which I once had a sowing of eight or ten acres, on which I knew seed enough had been put, made too thin from the cause I ment on For the same reason, hemp is more easily pulled after the plough than the harrow, land that is harrowed being found closer and harder than that on which the last operation was with the plough. Farmers differ in opinion as to the quantity of seed that ought to be sown; five pecks to the acre quires a deep soft soil, and deep and thorough culti-vation. 2d Question—Whether its being wet is an advantage or disadvantage? main, but upon old and very foul land I have sown six pecks advantageously It appears to be universally admitted that the crop is not injured by sowing experience confirms the fact; so entire is the conviction much, that only so many plants will rise as the tion in this point, where both hemp and flax are cultand will bear and that the waste of superfluous tivated, that "Flax in the water and hemp in the seed is the sole loss to be apprehended. If this be true (and nothing but the concurrent assertion of all the hemp makers I have conversed with could convince me of the fact) it is certainly better, always to give too much seed, and by this you will be secured time of sowing west of the mountains, whence I ob- likewise from the ravages of birds, worms, &c. I never saw a thin crop of hemp that was good.

of April is, there, esteemed the best time for sowing, following are the indications of its being fit to pull. and in that climate it may be, but in this part of the The stalks of the blossom, or male hemp, turn y l-country, the month of March is preferable. The low, become a good deal speckled, and drop most of best crops I have made were sown in March. Last their leaves, and, when the air is still, a very perceplow, become a good deal speckled, and drop most of their leaves, and, when the air is still, a very percepyear the early sowing was considered the worst hemp tible cloud of dust rises from the blossom stalks, until the crop was broken, when it appeared that the and hangs over the field. When ripe the sooner it is bark of the late sown was lighter, although the hemp pulled the better. As it is pulled, it is to be laid in was taller. The spring of 1810 was more unfavourar rows as thin as possible over the land in which it grows; after being pretty well cured on the ground, land was never wet from the 1st May until the 20th it must be bound into sheaves with some of the shortas cotton-is applicable to most of the uses to which June, and if after such a season, early sown hemp er hemp, and put up in shocks open at the bottom, in which state it should remain, until sufficiently cured to be put into large stacks or ricks, when it should be removed to the land on which it is to be dew wretted. The stacks or ricks should be so constructed as to expose only the roots on the outside, and if the tops of the stacks be covered with hemp, ground, shades it, and preserves its moisture. I have they should be pealed the latter end of September, by never known hemp-seed to be sown in the fall, and which time, in most seasons, what is exposed on the am, therefore, unable to say whether it would answer tops will be half wretted; the bemp taken off should be laid apart from the rest to wret. When it is safe does it interfere with any of the crops we cultivate, hemp the preceding year, I have always found some to house corn, and not before, the crop of hemp may except Tobacco. Hemp is sown before corn is plant-volunteer hemp of considerable height which must be spread to wret, t-king care again to separate the

ven or eight stalks with your hands, and holding them eighteen inches or two feet from each other, the head or stalk will shake out and separate easily from the bark, leaving it clean and entire, the process of wret-ting is completed. Your own observation and attention will soon make you acquainted with this part of the business, and better than can be effected by any written instruction. There is no risk; for by submitting it to the break (until you become skilful enough to judge without that trouble) you can easily provide against taking up your hemp too soon, and the fre quent repetition of the same experiment will secure you from the danger of its being overdone. The precise point to aim at is, to take up the hemp at the moment when the bark or lint will separate from the stalk without being wretted or weakened. The bark or lint of hemp is connected with the stalk by a substance which must be either wretted or dissolved, before they will separate; produce the separation, and the work is

I have been prevented, frequently, by the weather for eight or ten days in the month of March, from taking up hemp that was sufficiently wretted, and have never experienced any inconvenience from it; in cold or even cool weather, it is not easily injured by ex-posure. When your hemp is sufficiently wretted, take it up and put it in stacks of about 100 wt. each, tying them at the top with hemp It should be perfectly dry when stacked. The business of the farm should be so arranged that you may commence breaking as soon as the hemp is ready, for it is subject to loss and injury, proportionate to the time you delay it .-My hemp, when broken, is baled in a box made like a cycler press, across the bottom four ropes are laid factory; the labour of putting in, taking out, drying

common prize.

5th Query. What are the kinds of machines for breaking, scutching or swingling hemp, and where

are they made? Answer. We use nothing but a break similar to a flax break, but larger. My breaks are six feet long, 36 inches wide at one end of the break, and twelve at the other end. With four swords in the frame, and the river, I am inclined to suppose, that where it three in the upper part of the break. With this in- can be immersed in large volumes of water (free strument (which any person may make who can make from the risk I before mentioned) the object would an helve to a hoe or an axe) our hemp is broken and be accomplished with more certainty. I think that cleaned. With one of these a man will break, clean, in my ditch or pond the quantity of water is insuffiand prepare for market, in one day, from 80 to 150 cient for the hemp. The water-wretted hemp I have lbs accordingly as the order of the hemp, its quality, sent to market, has certainly commanded a readier and the state of the weather may be more or less fa-sale and higher price than dew wretted; but I quesvorable.

6th Query. What quantity of hemp have you made to the acre?

Answer. Various quantities. When I commenced the culture, I was not only uncertain what parts, but, whether any part of my land would bring hemp; in some instances I have been sadly disappointed, and in ensuing fall, make some experiments to ascertain the others, agreeably surprised. My average crop from matter with precision ; if I succeed in watering it all the land I have sown has not been satisfactory, a good deal of it was unfit for hemp, many acres indeed were not worth pulling, other fields on the contrary yielded more than I ever expected from them. I will fied that we shall soon break our hemp by machinery, give you a statement of the crops of one of my farms for three succeeding years. The land has not been surveyed, but I am convinced it does not exceed eighteen acres. From this land I made in the year 1808, 16,500 wt., in 1809, 16,000wt. and in the year 1810, 1:,000wt. The deficiency of the crop of last year, I ascribe to the extraordinary drought of the last spring .- The result of this experiment was the more satisfactory, as it enabled me to make an accurate comparison between the produce of hemp and tobacco on the same land .- In the year 1807 I had all the land (and about thirty thousand hills more) in toter of an acre, is said to be a day's work for a man.—
bacco that I afterwards sowed in hemp. That part of
the land which was sown with hemp, had brought and it is said to be as easy to cut half an acre as to a fine crop of tobacco, and yet I made more pounds of hemp from it alone, than of tobacco (with the product of the additional thirty thousand hills included) your crop of hemp; for the crop of hemp a man can with less labour, and less interference with the wheat and corn crops. This experiment I deem very satis-

either thrown out of the culture or manured highly. 4th Query. What is the best mode of steeping or

watering, and whether you have tried the French

process by hot water and soap?

This question I have purposely delayed Answer. answering, because it is one of great difficulty, and my own experiments do not afford me very satisfactory means of solving it. In 1808, when I made my first crop of hemp, I was entirety ignorant of every mode of managing it. I thought it safer to adopt the method that had been practised, in the small way, in this part of the country, where hemp had long been raised, by some people, for making rope for the use of their plantations, and to familiarise my people to the culture before I ventured on any innovation. The inducements to water-wretting are strong, the hemp is said to be better, and of course commands a better price; I therefore felt considerable anxiety on this subject. The French process appeared to me impracticable on a large scale, for the bulk of hemp when good, from 70 to 80 acres of land is immense The streams convenient to me, were objectionable ; liable to be suddenly raised so as to endanger the hemp, by carrying it off, or to injure it by making deposits of mud. I therefore availed myself of a wide and deep ditch at the foot of a hill which I enlarged, and where I had a perfect command of water, being able to let off or on at pleasure. I was pleased with the situation, and made it large enough to hold as much in the stalk as would yield about 800 or 1000 wt, of clean hemp. In this place I have tried water wretting two years, the result has not been very satisto tie the hemp when pressed into the box with a and securing, is very great and unpleasant.—The common prize. my people cannot break more than half as much water wretted, as of dew wretted, and my observations induce me to believe that the loss is much greater. I believe, also, that in one respect, the hemp is injured, by breaking the fibre of the bark. From a small experiment that I made last year, of wretting hemp in tion if I have been more than reimbursed the extra labour, and loss of hemp in the way I have managed it. I would not have you infer from this, that I mean to abandon water wretting, or that I am prepared to say it is not the most eligible mode of managing hemp. My opinion of the loss is conjectural, and I will, the properly, I feel almost convinced that the difference will be found not to exist in breaking at least; this however, I deem of small consequence, as I am satisthat will very much diminish the labour-my experiments in water-wretting, shall be very much diversified, as I am still sanguine in my expectations that I, or some other person, will succeed in discovering the right method. Should it be my good fortune, it will give me real pleasure to communicate the result to you, and to my other countrymen through the Richmond Agricultural Society, to which I intend to present a copy of this letter.

The most unpleasant labour in the hemp crop, and that which presses most, is pulling-to pull a quar-

requisite to wret hemp depends upon the weather, and factory and conclusive in favor of hemp. On another it is easy to sow, to wret and to break much more it should be examined frequently. To ascertain when the hemp is sufficiently wretted, if after crushing semp from about 25 acres, of which, five acres at vest. It is true that cutting will occasion some loss least were not worth pulling, and that I have this year, of weight, but I am convinced the hemp will be more valuable. The bark of the root disfigures the ap-pearance of the hemp, and cannot be spun to advantage with the finer part of the bark of the stalk above the root. Most of the roots indeed are broken off and lost by the break.

Hemp seed is made by suffering a part of the crop to remain until it is ripe, or by drilling it and cultivating it like corn, taking care to pull up in good time,

the stalks that will not bear seed.

I will take the liberty to add to this letter, long as it already is, a comparison between the labour necessary for a crop of hemp and a crop of tobacco, from which it will be obvious, that the former interferes less with other crops, and requires, likewise much less labour. It is known that hemp does not exhaust the land; while growing, it shades it completely; it prevents it from washing; deposits a considerable quantity of leaves and farina, and if the herds be used in a farm yard, their absorbent properties render them an excellent material for manure. Upon a plantation of 500 acres of open land, on which from 90 to 100,000 tobacco plants are cultivated, ten hands must be employed all this year: this crop, with as much corn as will support the plantation, and ten bushels of seed wheat to each hand, is as much as can be managed, with the utmost industry and attention, and every facility that can be derived from good team and implements of every sort .- The produce of this labour when applied upon good land, I estimate as follows, and this I know to be above a fair average.

\$6 is 90 1500 lb. of tobacco at 100 bushels of wheat 100 190

1900 \$190 to each hand is for ten hands Deduct for the amount of hire of each hand, taxes, maintenance and tools, \$80 each, on a farm of equal size 800

> Dollars 1100 Balance,

would sow 120 acres in wheat, chiefly on fallow and would expect 15 bushels to the acre 1800 18 acres in hemp at 500 lb. to the acre is 9000,

900 a 10 cents 2700

This crop would be managed with six hands, for 430 expenses deduct 80 each

Balance, Dollars 2220

I believe the above to be a fair estimate. I am convinced I can make more pounds of hemp than tobacco upon the same land, and that it is worth more. I refer to the state of the market for an average of years. That more land can be cultivated in wheat with a hemp than with a tobacco crop, is demonstrated by its being shown that hemp and wheat never require the planter's attention at the same time; whereas it is notorious that in harvest in the threshing and seeding, and in the preparation for seeding, great atten-tion is necessary to the tobacco crop; that the land is less injured, can be better prepared, and more of it manured, is equally obvious. But to put this out of all doubt, I subjoin the following statement to show the number of day's work required to make each crop and the season when the labour is performed. I do not take into the estimate the time that is required to break or prepare the land for hemp, because pre-cisely the same preparation would be advantageously bestowed upon the land that is to be planted in tobacco, and I have not noticed the ploughing the tobacco.

Time necessary to cultivate a crop of nine thousand tobacco hills, by one man, estimated in days work. Preparing, burning and seeding plant patches, nine days, January and February.

Hilling, turning and cutting off 20 days, April and

Breaking

Planting and replanting four days, May and June. Weeding and hilling twice, 15 days, June and July. Topping, 5 days, July.

Worming and suckering, 24 days, Aug. and Septem

ber. Cutting, housing and curing, 16 days, Aug. and Sep tember.

Stripping and prizing, 20 days, Fall and Winter.
Total, 113 days,
The same as to three acres of hemp.

127 Pulling August. Picking up 3 November. Spreading 18} Picking up March and April.

39 days.

In this estimate I have said nothing of clearing land for tobacco, which precludes every other improvement, and unless tobacco is made upon new land. an average crop of 1600 to the hand ought not to be expected. Upon old or manured land, hemp is a more certain crop than tobacco. Manured land is best for hemp-every man who can manure an acre of land (and every man might do much more than that) may keep up a crop of three acres to the hand, as land that is manured, will continue to bring good hemp for more than three years, and after hemp, as after tobacco, you may expect a fine crop of wheat.

I fear you will think you have cause to lament en gaging in a correspondence with a man who has so lit-tle consideration as to give you the trouble of reading a letter of the length of this. My apology must be my desire to be useful. I would not have troubled you with observations on the tobacco crop, but for my of their restrictive measures; and, therefore, it weight and dignity as an Empire, should avail knowledge that much tobacco is made in your state, and believing it is a rational object that the labour of every man should be employed to the most advan- they are so sick of theirs But, Sir, I deny pects it. If every landholder would set apart tage; it occurred to me that it might be useful to make the comparison that I take the liberty to present to you, although it did not fall within the scope of your enquiries.

I am respectfully,

Sir, Your humble servant,

WILSON CARY NICHOLAS.

William W. Rodman, Esq. ? Washington, N. C.

# MANUFACTURES.

For the American Farmer.

tain more interesting and valuable matter, of Great Britain-in some instances more so; wood, and from its pillaged state, of very little than is to be found in any other weekly paper, and are of so recent a date, that no hopes can value. I know many farms of 1000 acres, that which has fallen under my notice; yet I be entertained of their abandonment. I am have 3 or 400 acres of what is called wood land, find in them some publications, the truth aware that all these observations may have been, that would not give as much rail tumber of good and propriety of which I can neither see before, often made; but as often as the or assent to—I allude to those addresses to the hue-and-cry is reiterated against manufactory but to "trke a bond from fate," let them for Southern Agricultural Societies, in which the turers and the tariff as designed to tax the speakers take notice of the lately proposed many, (the consumers) for the benefit of the each 100, and place an acre at each extremity Tariff—as being calculated to place the manufacturers) it seems proper that facturers at the head of the numerous classes of a protest against this absurdity should be any live fence—it would beautify the country, Labourers; particularly above the cultivators of repeated—and the same arguments, if such and the woodland might then be devoted to the soil. In short, to render the Manufactur these observations may be called, should be such timber as would serve the purposes of the ers a privileged order, granting them a monopolestated.

ly, as against, not only the cultivators, but also

I beg leave, Mr. Editor, through the medium sufficient for fuel—my remarks as relate to the against the merchants and ship owners—In fact of your paper, to ask the good people of Vir-Navy, will apply only to that portion of counas a tax on the many for the benefit of the few. ginia, the two Carolinas and Georgia-together toy, where the price of timber will pay the car-

patriotic-I consider, that the farmers or plan- and flax-seed? The northern people must have no more Antipodes, (as to their separate interests) to the manufacturers; or the manufac- equal number of labouring people in the southturers to the farmers, than they are as it re-ern states. This arises from the climate and spects their local situation-what benefits one the kind of inhabitants-one being a great porclass, must equally benefit the other. All must tion of them slaves -the other principally freerise or fall together. It is true that the cultiva- men and yet lubourers-and some of the states tors of tobacco and cotton wool, can better sus- wholly of freemen. If these are suffered to be tain themselves than the cultivators of Indian oppressed by foreign regulations, it is manifest corn and wheat-than any of the numerous and they cannot pay much impost for the support of various labourers and cultivators of the soil, in government. Can the southern states, whol'y the middle, northern and western states-or support the government of the Union? So inthe merchants and ship owners of those sec tions of the Union-the British merchants and vendue masters only, excepted. And I simply request that the Southern planters and farmers will recollect, that although they may not sink into entire insignificance under the strange infatuation, of being let alone; of being permitmust become wretchedly poor under such a sys MR. SKINNER -I peruse your very valuable laws. As to all the other European govern-thereby enable many farmers to bring into culnumbers, with great satisfaction, as they con- ments, their restrictions are as rigorous as those tivation, large bodies of land, now in scattered

regulations (not merely with a view of aiding ropean governments-who shut out all their orothe revenue) would be both wise, proper and ducts, except pot and pearl ashes—their staves ters (as relates to the Southern cuitivators) are more clothing-more articles of consumption of levery kind, than what will be necessary for an A NORTHERN MAN. quires

# TIMBER.

To the Editor of the American Farmer.

MR. SKINNER,-The valuable communicated to buy of whoever will sell to them, what tions of Commodore Porter, upon the subject they want to purchase cheapest : yet their of Timber and its preservation, have evinced rethren of the northern and western states that the Commodore is worthy to fill the high and responsible station in which he has been tem, as long as the European governments, placed; he has given salutary warning-his duty wholly, or nearly so, reject all their products. It upon this subject is performed-those who posis pretended, that those governments are sick sess the soil of our country, who feel for our would be the extreme of folly for our govern-themselves of the information they have receivment to extend our restrictive measures; when ed-they should do their duty-our country exthat we have any evidence that any of those but two days in a year, to the planting of Locust, governments are sick of their restrictive mea- Mulberry and Oak, it would be found that in 50 sures—that is, as to foreigners—it is true, that or 100 years timber would be better, and more the merchants of Great Britain wish that the abundant than it now is .- The farmer who East India trade-particularly to China, may only makes his calculations and arrangements, be thrown open to all the subjects of Great with a view to his particular interest, would Britain, against the monopoly of the East In find it much to his account, to have a small nurdia Company. Some of the manufacturers and sery for drilling (in the manner of peas) the ship owners, wish their corn laws repealed, seed of the Locus, from which he could transthat the people might get bread, &c. on more plant every year; this is the most durable wood, reasonable terms : but it is well known that the and invaluable for ship building and farming Land proprietors, like the great Southern plan-ters with our government, have too much inter-neighbouring crop. Chesnut might also be est and influence with that government, to per- planted in small orchards, say one acre in 100, mit any relaxation in respect to their corn which would give abundance of fencing, and -Now, Sir, I am not foolish enough to under- with those of Louisiana, Alabama, and Florida riage and give a profit. It may be said that this take to discuss the subject of the proposed \( \text{Ta} \)—how the United States are to be supported—is very pretty upon paper—that something fiff, in all its parts and bearings, but I fearless—if all these middle, northern and western (that I by maintain that an attempt by our government to protect manufactures, by judicious gle with the restrictive measures of all the \( \text{Eu-} \) Would it not be wise, Sir, for all to say that a

laws for the preservation of morals and the pro- wheat. tection of property? Let me ask, what would if early provision had not been made for its diligence, never suffering grass or seed to gain pointing in and out, with so little straw attachprotection, as was made for the protection of possession, nor the land to become baked, or ed, that a vast proportion of grain is lost. Upon
morals? You may lash men and women too, with a hard crust, however clean it may be; an average of hands, a seven foot sweep is our Ship Timber and our fat land again? We necessary, and I proceed to what is not so ge- ger, and strike deeper in. ring the nose of a hog that destroys his own pas- nerally agreed upon, the best distance at which ture, yet the man who destroys the inheritance to plant. of our Heavenly Father, to all his children, does nothing worthy of punishment-deface a upon an equal number of stalks, yet it is remile stone, and you are fined-gully, impoverish and destroy as much of the inheritance made without a great many stalks, and when of the human family as you please, and you I hear of eighty to a hundred bushels to the privileges of a freeman-Experience has not merely owing to a fortunate season, and taught us much, but great is that which we have good tillage of good land, but also to the fact, yet to learn. The oak is not ye planted, that that more stalks have been grown upon the shall buoy the fearless sons of this mighty Empire through enterprizes, corresponding with our Impressed with this opinion, I have made varidevelopments. Time and experience will teach individuals, that their interest is the same as that of the Nation.

Very respectfully, A VIRGINIAN.

FOR THE AMERICAN FARMER.

On the Culture and best distances for planting INDIAN CORN.

SIR,

American writers upon agriculture, most generally have declared open war against the cultivation of the invaluable Indian Corn or Maize, and almost without an exception recommend, that we should not cultivate our usual quantity, but increase our crops of wheat and grass.

If, by their instructions, they mean to prevent us from wasting our time and labour upon poor lands, under bad management, they are right; but, it is my opinion, that we cannot grow too much of a grain, which, when we consider the various uses to which it is applied, the convenience and economy with which it may be fed, may be justly esteemed a blessing to our happy country, beyond all other grain. It does not, indeed, sell for as much per bushel as wheat, but for nearly as much as rye—and, as a food for stock, it is more valuable than either. That it is a profitable crop to the grower, I give one fact in evidence: enquire of any intelligent country merchant, and he will inform you, that the good corn farmers are the moneymaking farmers-and we all know that to this precious grain we are indebted for fat horses, fat oxen, fat beeves, fat hogs, fat poultry, and contented servants. One year with another, the fair price of corn is about half the price of wheat, and this value seems to be governed more by the produce, than by intrinsic value. The land which will produce five bushels of wheat to the acre, will produce ten bushels of corn; if twenty of wheat, forty of corn, and so on, in nearly the same ratio; with this difberence, however, that in some few situations, of crossing.

productive of this good and national end? Is of corn, while, in extensive districts, first rate the cut of a wheat cradle, taking two lands of it not general good, that induces us to pass corn land will not produce heavy crops of four feet six inches each, is too great a sweep,

Although we may have a good or bad crop duced to certainty, that a great crop cannot be acre, than is customary with us in Maryland .-

This is called drill planting, step corn, or nit and miss corn, a mode of planting occasionally practiced time immemorial. Two feet is the natural and easy military step, which the dropper soon acquires to great exactness.

apart in the row.

Our corn fields are upon a large scale, and most generally small grain is sown among the corn. We will take a field of 250 acres, and suppose it a square, which will give us 200 perches each way.

Hills. At 7 by 2 feet you have in this 777.857 The almost nniversal distance

with us is 4 feet 6 inches each way, and which gives to us

Difference, 240,079.
But this is not the only difference, it is well known, that very little wheat is grown in the furrow or clearing out of corn ground, even upon prime-and upon weak land, what little does grow cannot be saved.

537,778

Your field then being 200 perches square, at 4 feet 6 inches contains 735 furrows while at 7 feet there is but 471

> Difference 264.

which, allowing one foot in width to each fur row, makes a difference of twenty acres, or one twelfth less of wheat. The cross tillage wastes vet more, and in particular on flat land-for at the angle of every crossing, a cup is formed, which not only retains superfluous water, but it which the soil is deteriated by frequent ridgng up the good soil, and by the frost retained in that cup. There is an advantage in seven feet

\* On corn ground, the best wheat is on the ridge. the worstin the furrows, and a medium at the angles

law should pass to enforce some regulations, good wheat land will not produce heavy crops drills, beyond the points enumerated-nine feet except for long armed, skilful, and willing crad-The farmer, who attempts a crop of corn, lers. Nineteen times out of twenty, the wheat now be the state of our agricultural interests, must plant early, and cultivate with care and is so scooped out, as to cut off the heads at the Sir, into the best moral appearances in a short but these principles are so universally under-lenough for clean work-and, if you must hurtime; but, Sir, who can put us in possession of stood, that any further remarks from me are un- ry, (which is in no case prudent) you step lon-

If my remarks meet your approbation, you shall hear further from

Your obedient servant.

F.

23d Nov. 1821.

Does not our experienced and much respected correspondent consider it better hasbandry, to remove do no more than exercise the rights and acre, I am convinced that such great produce is the corn, stalk and all, before the wheat is sowed ?an operation which is now necessarily delayed to avoid good tillage of good land, but also to the fact, the ravages of the fly -or, does he consider that under general circumstances, such removal of corn and stalk is impracticable ? Again-Suppose a system of cultivation on a small field where the corn is to be removed before sowing: at what distance would he ous experiments to ascertain that distance then plant. We are always so much pleased when which will unite most advantages with the fewwer can get our friend F. afield, let the object in est disadvantages, where wheat or winter grain pursuit be what it may, that we now take leave to ask his opinion, whether it be the better plan to seis sown among corn, and have at last settled lect seed-corn from stalks bearing the greatest num-down to rows seven feet wide, and two feet ber of ears, or to take it carefully from such as bear but one large one. In the former case the number of ears would, in process of time, be doubtless, greatly increased-query, would the quantity of grain be?

Edit. Am. Farmer.

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To the Editor of the American Farmer.

The day being cold and rainy, with the wind at N. E. my horses at their cribs in the stable, and cattle under good shelter in the barn yard : some of my hands employed thrashing out grain-some cutting straw with my patent cutting knife-others shelling corn with my patent corn sheller-some making axe helves, rake handles, &c. &c -- and all in some way employed, I determined to pass a social morning, chatting with my old aunts, who were sewing and knitting by a comfortable fire, with their maids at work in different parts of the room-some picking wool, some carding, while others were whirling around the good old fashioned big wheel, the only musical instrument in the family, except the horn which calls the workmen to their meals; all, in fact, were in some way or other employed, except myselfand the noise of the wheel, and other operations going on, not permitting me to read aloud, as is my custom, the American Farmer, the Agricultural Almanack, &c. I took out my tooth-pick, and, seating myself before the fire, in my old arm chair, began to pick my teeth : after meditating some time, pray, said I, addressing my aunt De-borah, pray said I, can you tell me why people complain so much about hard times? Our crops have been as abundant as they have ever been; our lands are more productive than formerly-and, if their produce when sold will not bring so much as they did a few years back, we have less to pay for the articles we purchase—this unvarying produce of the land, and reduction in the prices of tea, sugar, coffee, cloth, &c. one

would think would make times for farmers bet-preferred, to the impoverishment of every oth-might prove to be of the genuine variety.

so much of hard times?

"My dear nephew," said the old lady, layfrom her nose, and gravely and deliberately We will make a comparison between the contaking a pinch of rappee, always the precursor sumption in food of a horse and man. of some good remark, as the time of taking the In Virginia, a peck of corn meal per week is nishes bread for ourselves, and food for our cry is "hard times!! hard times!!" stock, and wherewithal not only to pay the hire of hands, but our taxes, and enables us to lay recollecting that I had in stable one horseup a little at the end of the year. We have no (though a favorite of mine) which might be more cats than can catch mice, and no useless done without, I went out, to give orders that he mouths to feed—the Simples have always lived should be sent to town and sold next day as we live, and have always made out to make both ends meet-we have never had more wants fore, have never felt hard times.

exclusive (I was going to say independent) of one of her poetical, or granny attitudes, says the imming establishment. They are eternally she 'tis what' on the road, or at the manger, visiting or enter- "The learned Cotton, unlarned Milk Weed calls." taining friends to the neglect of their business, And threw the whole of it in the fire. J. S. and consuming the produce of the farm with out making any return. Now we will not take into calculation the expense of saddles and bridies, harness for horses and livery for servants, Mangel-Wurtzel, Carrots, &c. Leghorns, and feathers, marinos and Cashmeres, frills and turbelous, corsets and stiffners, dandy coats, and Cossac trowsers, port wine and Madeira, Imperial and gun powder, Mocha and double refined, plumb cake and pound cake, with a thousand other et-ceteras; we Will merely make our calculation of the expense of the aforesaid fine horses, which are

ed waste.

ing down her knitting, raising her spectacles thing to compare with-we will take a man. gure 1, in the annexed drawing.

snuff is a time for reflection;" "My dear considered an allowance for a negro. A well fed nephew," " times in reality are no worse than horse will eat a peck of corn a day, hesides hay they were before, but the imaginary wants of to an equal amount. A horse then eats as much people, caused by the introduction of new fash-in one day as will supply a negro two weeks : ions, and new ways to gratify vanity, have made then the expense of feeding one horse is equal them appear so; the profits of my pantry have to the expense of feeding fourteen negroes—for many years supplied my ward-robe—but I consequently the expense of feeding the fine wear no Leghorn bonnets at 30 or 40 dollars a extra horses on neighbour Simpleton's farm, is piece," (cutting her eye at aunt Simplicity, who fully equal to the expense of feeding seventy had once laid out all her savings on one, when negroes: besides this, the horses must have she wanted to catch my friend Charley;) "our more to take care of them, who must not only knitting and our spinning turnish for the fa- be fed, but he clothed too, and their feed and mily, clothing of a more comfortable kind than their clothing alone, would be sufficient to pay broad cloth-turning her head towards my sun- all the expense of the farm, was it managed as day coat which was hanging on a peg-our but-it ought to be. But the farm does not produce ter, our cheese, our calves, and our pigs fur-enough to pay the hands, occasional loans must nish us with gowns. There is nothing more be had from the bank to obtain means of buying wholesome than cycler and parsimon beer,"- finery for the girls, paying off the young gentle-(here my aunt asked for a glass of rattifee, as man's taylor bills, the old gentleman and lady she had, she said, a touch of the cholic)—" the too ran up a bill where they can obtain credit, skins of our cattle furnish us with shoes with- pay day comes round, creditors will be satisout the aid of prunella and kid-our beeves fied, interest on interest is accumulating, noand our hogs furnish us a food superior to any thing coming in, ruin staring them in the face, thing foreign—the produce of our fields fur- no efforts made to retrench—and the constant

By this time the storm had cleared off, and

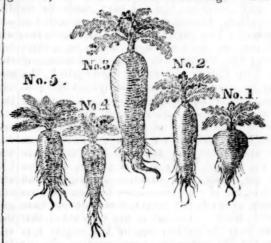
JEREMIAH SIMPLE.

P. S. A learned friend of mine, a farmer, than we had means of gratifying; we, there-lately sent me some " native cotton, the spontaneous growth of his farm." I was much Look now at our neighbours the Simpletons, pleased with it, and gave it to my aunt Simplitheir farm is only one fourth the size of ours-it city to spin : she tried and tried over and over was purchased on credit, and mortgaged to again, but could make nothing of it-at length raise the means of improving it, that is, build- aunt Deborah asked for it to look at; she first ing a fine house. The old gentleman and his examined the cotton, then the seed, next the wife, they have their coach and pair, the young pod, and next the stalk and leaf. Pray, said squire he has his nag for his special use, and the two young misses Amarilla and Angelica so." What does he call it? "Cotton, cotton!" Simpletons, have each their palirey—and all Now my aunt is a great lover of the poets, and this, including the coachman, lootman, &c. are sometimes quotes them. So placing herself in the same space has ever yielded me before,

FOR THE AMERICAN FARMER.

Battimore County, Nov. 30.

ter instead of worse; what is the reason then er animal on the farm, if that can be called roots produced by two of these parcels of seed that people, and particularly farmers, complain one, which is very little better than a neglect- were of a coarse character, much alike, wile at the top, grew almost wholly in the ground, and To make a comparison, we must have some-tapered rapidly to a point, as represented by fi-



roots of the third parcel were larger than those of the two first; they grew about one half above the ground, and retained their size pretty well within the soil, as shewn by figure 2 . but the roots of the fourth parcel of seed, and which was obtained from Mr. E. S. Thomas, Baitimore, accord precisely with the description given by writers of the genuine Mangel-Wurtzel: they grew from twelve to eighteen inches above, and from three to five inches below the surface of the drills; at the top they were as large as either of the other kinds, and maintaining their greatest size quite to the ground, they were full at the termination, as represented

The leaves on all were very abundant, and were stripped off the plants five times in the course of the summer. From the small spot where the best kind grew, and which does not exceed the fifteenth part of an acre, I obtained four cart loads of trimmed roots, that measured thirteen bushels each; or, at the rate of seven hundred and eighty bushels per acre! This ground was in good tilth, and two small cart loads of unrotted manure were distributed in the drills. I thus obtained a better return from it, planted with Mangel-Wurtzel, having reference to the quantity, or quality, or both, than which inclines me to believe that the Mangel-Wurtzel is better adapted to our climate than any other root-an opinion which has heretofore been well maintained in the American Farmer. Persons who wish to cultivate this crop, to any extent, should first obtain seed which they know to have been carefully saved from roots of the roper sort, then select a piece of good land for the purpose, & make it thoroughly rich, by manuring it broad cast, and also in the drill. With this I procured the seeds of several varieties management I am satisfied they will obtain a of Mangel-Wurtzel and Carrots last spring, greater and more valuable produce for the susfor field cultivation, in consequence of the com- tenance of cattle, sheep and swine, than could munications which have appeared in your jour- he made in this neighbourhood by any other nal respecting the value of different root crops, means. And by the drills being two and a haif i could only obtain four parcels of Mangel-feet apart from centre to centre, intermediate Wurtzel seen, although a sought for them in lows of turners may be sown to great advanmany places, in the mope that some of them tage, late in July or early in August, as they

<sup>\*</sup> Parson's about smoking don't forget.

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the setting in of severe frost. A double crop ly in July, and I considered it too late to sow none can depend for subsistance on its produce, might thus be made in one season from the them after those periods as a crop for cattle- but persons of capital. same ground, with scarcely any more labour they take so much longer to mature than other than either would require, and without incur-turnips. ring the hazard of loss, which so often occurs crop for a winter's supply of succulent food .count upon a full, although it may be a mixed good turn by doing him another. crop. It has also occurred to me, that the Mangel-Wurtzel might be profitably cultivated in corn fields, for I believe the shade of the corn would not retard its growth, and the cultivation required by that crop would leave nothing to be expressly done to this, except in the earliest stage of its growth, when the plants should be thinned, and the drills cleared of weeds .-It would be well however to test this opinion, upon a small scale, before any other reliance is placed upon it-and I recommend that the rows of corn should be six feet apart, and the

Of Carrots,-I obtained seeds of two kinds. the long orange; and the short, or horn, or stock carrot. The first is a kind very commonly cultivated, the roots of which attain a good size, as shown by figure 4. But the second, or short kind, cultivated in the same manner, yielded me more than twice as many bushels from an equal quantity of ground, although these were sown some weeks later than the other, and both crops gathered at one time. The short as a crop for cattle, having reference not only to its quality, but likewise to its acreable produce. Its form is correctly represented by figure 5and the seed of it which I used, was bought of have to get some more next spring, but thereafter I shall have enough of my own raising. which, from experience, I prefer to those of the shops. And that you may have it in your power to distribute some seed of the true Mangel-Wurtzel, and this approved carrot, for cultreation in the spring of 1823, I will take the liberty of sending you two dozen roots of each of those plants."

root drills in the centre.

I have, for the last four years, raised the Ruta Baga, the white Norfolk, the yellow bullock, and the red tankard turnins, but not with uniform success. The first and fourth years I sowed the seed on good grass ground, which had been pastured close for two years previous. & I gathered good crops of each kind. The 2d year I sowed after oats, the 3d year after wheat, having first ploughed in the shattered grain, and allowed it to vegetate before I ploughed for turnips; but in these years I had very indifferent root crops, although the ground was rich and heavily manured after harvest. I have heretofore sowed but a small proportion of my turnip ground with Ruta Baga seed, as I only expected to raise enough of it for my family's

Editor Am. Farmer.

buting their seeds.

would then have time enough to mature before growth when I sowed the seed in June, or ear-

when we depend entirely upon the turnip acres of rich ground with the true Mangel- over the plant in the fall, protects it effectually Wurtzel and short carrot, in alternate drills, against the cold of the winter. When the dan-The Mangel-Wurtzel is in itself a very sure with rows of turnips between them; I will ger of frost is over in the spring, they uncover crop, but should it fail in places, these may be then invite the editor of the American Farmer it, and begin its culture. There is a great deal filled up with cabbage plants, or subsequently to do me the favor to come and find fault with of this in the neighbourhood of Toulon. The with turnips, so that we may with certainty my labor as he may-and I will requite one plants are set about eight feet apart, and yield

Very respectfully, Your's, &c.

# Olives, Capers, Figs.

From Doctor James Mease's " ARCHIVES OF USEFUL KNOWLEDGE.

The acquisition of the Floridas, augments the inter

vation ]-Edit. Am. Farmer.
The following letter on the cultivation of these fruits, was addressed by Mr. Jefferson while minister of the United States at the the fullest certainty; because in the canton, Court of France, to the Agricultural Society where this plant is cultivated, the inhabitants of South Carolina, and published by them in

Paris, July 30, 1787.

"I was induced, in the course of my journev through the south of France, to pay very particular attention to the objects of their culture; because the resemblance of their climate to that of the southern parts of the United carrot is better flavoured and more delicate than States, authorizes us to presume we may adopt the long. I should be satisfied to cultivate it any of their articles of culture, which we would wish for. We should not wish for their wines, though they are good and abundant. The culture of the vine is not desirable in lands capable of lot of this tender part of our species be much producing any thing else. It is a species of Mr. E. S. Thomas, Baltimore; from whom I shall gambling, and of desperate gambling too, ture, we multiply the chances of making somewherein, whether you make much or nota-thing, and disarm the seasons, in a proporing you are equally ruined. The middling crop alone is the saving point : and that the seasons seldom hit. Accordingly we see much wretchedness amidst this class of cultivators. Wine too is so cheap in these countries, that a labourer with us, employed in the Perhaps it may claim a preference even to culture of any other article, may exchange it bread, because there is such an infinitude of for wine, more and better than he could raise vegetables, which it renders a proper and himself. It is a resource for a country, the comfortable nourishment. In passing the Alps whole of whose good soil is otherwise employ-at the Col de Tende, where they are mere ed, and which still has some barren spots, and a surplus of population to employ on them. a little soil, there are a number of olive trees, There the vine is good, because it is something and a village supported by them. Take away in the place of nothing. It may become a resource to us at a still earlier period, when the increase of population shall increase our productions beyond the demand for them, both at home and abroad. Instead of going on to make an useless surplus of them. we may employ our supernumerary hands on the vine. But that table with the article, at one-fourth the cost of import period is not yet arrived.\*

The almond free is also so precarious, that

The caper, though a more tender plant, is more certain in its produce; because a mound Next year I will endeavour to cover three of earth, of the size of a cucumber hill, thrown one year with another about two pound of capers each, worth on the spot six-pence sterling M. N. the pound. They require little culture; and this may be performed either with the plough or hoe. The principle work is the gathering of the fruit, as it forms. Every plant must be picked every other day from the last of June till the middle of October. But this is the work of est of that portion of the following letter, which women and children. This plant does well in relates to the Olive-since it is acknowledged that any kind of soil, which is dry; or even in a large part of that territory is adapted to its culti-vation ]—Edit. Am. Farmer.

Toulon would be the proper port to apply for them. I must observe that the preceding details cannot be relied on with speak no written language, but a medley, which I could understand but very imperfectly.

" The fig and the mulberry are so well known in America, that nothing need be said of them. Their culture too is by women and children, and therefore earnestly to be desired in countries, where there are slaves. In these the women and children are often employed in labours disproportioned to their sex and age. By presenting to their master objects of culture, easier and equally beneficial, all temptation to misemploy them would be removed, and the softened. By varying too the articles of cultionable degree, of their calamitous effects.

"The olive tree is the least known in America, and yet the most worthy of being known. Of all the gifts of Heaven to man, it is next to the most precious, if it be not the most precious. these trees, and the same ground in corn would not support a single family. A pound of oil, which can be bought for 3d. or 4d. sterling, is

wine than what is transported from the Seaports : and every industrious farmer might supply his own ed wine, and yet not encroach upon the busines of the Editor of the Archives.

Bditor of the Archives:

<sup>\*</sup> This reasoning applies very forcibly to the Atlantic States, but at the time the above excellent and patriotic letter was penned, the Western States except Tour. Our native grapes would supply much better

<sup>\*</sup> Until the true caper shall be imported, the comuse—for I was always disappointed in their Kentucky, were not settled. In those states wine is mon garden Nasturtium, Tropeolum majus, which by now made to a profit, from European grapes, by two many are preferred to capers, might be cultivated. mon garden Nasturtium, Propeolum majus, which by \* We will thankfully receive the promised roots, colonies of Swiss; and also at Harmony, near Pitts. In the Philadelphia market great quantities are annual take great pleasure in raising, saving and distriburgh by a settlement of Germans. See Cumming's ally sold to excellent profit, for pickling.

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other, even in their best positions in France : may be desired. but they put out again from their roots. In Ita- "Before I quit the subject of climates, and that it is not necessary there-because we know never produces perfect fruit here. that they produce the orange in open air; and wherever the orange will stand at all, experience shews the olive will stand well, being a hardier tree. Notwithstanding the great quantity of oil made in France, they have not enough for their own consumption, and therefore im-port from other countries This is an article, the consumption of which will always keep pace with its production. Raise it, and it begets its own demand. Little is carried to America, of bettering their condition, how much would cconomy. the states, wherein its success, in favourable at the rate of sixty busicis per acre. Upon the land thus managed, the crop was infinitely superior to the

quantity of vegetables it will prepare, and ren- flattered myself, it would come within the views der fit and comfortable food. Without this tree of the society for agriculture to begin the exthe county of Provence, and territory of Genoa periments, which are to prove its practicability. would not support one half, perhaps not one Carcassonne is the place, from which the plants third, of their present inhabitants. The nature may be most certainly and cheaply obtained of the soil is of little consequence, if it be dry. They can be sent from thence by water to Bour-The trees are planted from 15 to 20 feet apart, deaux, where they may be embarked on vessels and when tolerably good will yield 15 or 20 lb. bound for Charleston. There is too little inof oil yearly, one with another. There are tercourse between Charleston and Marseilles trees, which yield much more. They begin to to propose this as the port of exportation. I render good crops at 20 years old, and last till offer my service to the society for the obtaining killed by cold, which happens at some time or and forwarding any number of plants, which

of the Cevennes, there are no olive trees in tenderest to the hardiest, is as follows; caper, 4310, or even 430, of latitude; whereas we orange, palm, aloe, olive, pomegranate, walnut, find them now on the Rhone at Pierrelatte in fig, almond. But this must be understood of not. But this we may say, that either it exists, or The palm, hardier than the caper and orange,

I have the honour to be, &c.

TH. JEFFERSON.

# BONES.

From Willich's Domestic Encyclopedia.

because Europe has it not to spare, we therefore have not learnt the use of it: But cover
the southern states with it, and every man will
become a consumer of it, within whose reach it
can be brought in point of price. If the memory of those persons is held in great respect in ry of those persons is held in great respect in South Carolina, who introduced there the culfor making glue. The bones of different uses. The bone
ture of rice, a plant which sows life and death
are not equally fit for different uses. The bone with almost equal hand, what obligations would of the cutile-fish is used by gold-smiths for mak- the sake of the fat and marrow; which, when, cold be due to him, who should introduce the oliveing moulds; those of bullocks for painters' black; is skimmed off, and mixed with an equal quantity of
also, in lieu of ivory, for toys and cutter's work. But
tree, and set the example of its culture! Were
the owners of slaves to view it only as the means the owners of slaves to view it only as the means bones may be rendered subservient, are those in rural facturers of volatile alkali, who make spirit of harts-

myself an eye-witness to the blessings which this tree sheds on the poor, I never had my wishes so kindled for the introduction of any article of new culture into our own country.

South Carolina and Georgia appear to my to be sent back again to a steam my time, to be sent back again to a steam mill near St. John's, Clerkenwell, where they were ground into a coarse powder, and sold as a top-dress-article of new culture into our own country.

South Carolina and Georgia appear to my to be call used, in my time, to be sent back again to a steam mill near St. John's, Clerkenwell, where they were ground into a coarse powder, and sold as a top-dress-article of new culture into our own country. South Carolina and Georgia appear to me to be rest, and manured them with bones broken very small,

equivalent to many pounds of flesh, by the Positions at least, could not be doubted; and i rest. The next year's grass was also more luxuriant, and has continued to preserve the same superiority for at least eight years, insomuch, that in spring it is green three weeks before the rest of the field. also dressed two acres with bones, in two different fields prepared for turnips, at sixty bushels to the acre, and found the crops incomparably more productive than the others managed in the common way. Upon grass lands, he observed, that this kind of manure exerts its influence more powerfully in the seond year than in the first. For whatever soil it be intended, the bone should be well broken, before they can be equally spread upon the land. No pieces should exceed the size of small marbles. To perform this necessary operation, he recommends the bones to be sufficiently bruised, by patting them under a circular stone, which being moved round upon its edge by means of a horse, in the manner tanners ly, I am told, they have trees 200 years old, the plants adapted to them, I will add, as a grind their bark, will very expeditiously effect the They afford an easy, but constant employ-matter of curiosity, and of some utility too, purpose. Although bones of all kinds may be used ment through the year, and require so little nour- that my journey through the southern parts of with advantage, yet those of fat cattle are doubtless ishment, that, if the soil be fit for any other pro- France, and the territory of Genoa, but still the best; but unground bones should never be cmduction, it may be cultivated among the olive-more the crossing of the Alps, enabled me to A. Sr. Legen has also found it very beneficial to mix trees, without injuring them. The northern form a scale of the tenderest plants, and to ar-ashes with the bones : a cart load of the former being limits of this tree are the mountains of the Ce- range them according to their different powers put to thirty or forty bushels of the latter, and heatvennes from about the meridian of Carcassonne of resisting the cold. In passing the Alps at ed for twenty-four hours (which may be known by the to the Rhone; and from thence the Alps and Appennes as far as Genoa, I know, and how much farther I am not informed. The shelter of these mountains may be considered as equivalent to a degree and an half of latitude at least ; because westward of the commencement three times. Their order, proceeding from the may be added to any common water unit, at a very triffing expense.

[Uses of a Dead Horse .- We have a tolerably good poem on the life and death of a blood horse, "The high mettled racer," tracing his progress from being 4419, and formerly they were at Tains, above the plant only: for as to the fruit, the order is the favourite of the turf, through all the grades of the mouth of the Isere in 450, sheltered by the somewhat different. The caper, for example, hardships, till he is worn out with hunger, labour near approach of the Cevennes and Alps, which is the tenderest plant; yet, being so easily pro- and blows, in the cart of the scavenger; I fear a only leave there a passage for the Rhone. Whether such a shelter exists, or not, in the states of South Carolina and Georgia, I know the oftenest, on account of its forwardness. It is a body, in the scavenger; I rear a faithful account, not much to the credit of British but. I faithful account, not much to the credit of British but. I faithful account, not much to the credit of British but. The almond, the hardiest plant, loses its fruit through all the stages of his posthumous utility, reatly to the credit of the skill and frugality of that most ingenious people, as economical manufacturers. When a gentleman's horse dies, the routine of disposing of the dead animal, is this. He is sent to the saddler, who gives credit for him at a guinea. The saddler gives notice to the currier, who has the horse conveyed to some repository for dead horses; where he is skinned, and the currier takes away the skin, leaving the carcass. The skin is depiled by lime, drest and tanned in the usual way: the offal of the skin cut off by the currier is sold to the glue maker:

students in comparative anatomy, who pay for the license of going to the repository, a guinea a quarter. The flesh is then cut off, boiled, and sold to the people who hawk it about the streets of London in wheelbarrows, as cat's meat and dog's meat, at 11d. per lb.

The hoofs, are sold to the makers of Prussian blue. The bones, are sold to two descriptions of manufacturers : 1st, to the makers of cart grease, who reside at the outskirts of London, and boil the bones for horn and sal ammoniac, out of them, by distilling in he better that by planting one of those trees Bones are an excellent manure, though not large iron cylinders. The bones, thus boiled down, for every slave he possessed! Having been generally known; they should, however, not be call used, in my time, to be sent back again to a steam

How to purify both, and blanch the latter. To one gailon of oil add one quarter of an ounce

of finely powdered chalk, one quarter of an ounce of air slacked lime, and one half pint of water; stir then well, let them rest three or four hours, then add one pint of water and two ounces of pearl ashes, and place hem over a heat that will just keep them sine mering, till the mixture appears of a light amber colour, and has lost all smell, except a hot greasy, soapy scent. Then superadd half a pint of water, in which one ounce of salt has been dissolved; and having boiled them half an hour, pour them into a pro-per vessel, and let them stand till the separation of the oil, water and lime is completed.

> Dossie's Communication to the Society for the Encouragement of Arts-Vol.

We have seen the above directions applied to the purification of Tallow, and never before saw it so perfectly blanched; it was afterwards made into candles, and these burnt slowly and most brilliantlythe tallow near the flame presented the chrystaline appearance of Spermaceti, which is so pleasant to the eye; but it had the important advantage over Spermaceti, of being cheaper whilst we believe it afforded a more pure light. We recommend a trial of this Saving Machine, is exhibiting at Batavia vilprocess, on a small scale by housekeepers and Manu- lage (N. Y.) constructed on a principle which, facturers- the latter might experience some difficulty in conducting the process at first, if tried upon too great a body of tallow, which if heated but a little small parcels, will point out to them the proper way minutes; and, that by the application of half of a stationary one for \$250. of carrying the process on largely, and we have no the above power, the Machine can be made to doubt that their candles, when made of Tallow, thus plough a furrow in hard earth, eighteen inches purified, would be better and handsomer, than they have ever been.

Common fish cil may be made by the above process, to equal the very best, and be prepared for the use of wollen manufactures.

And we hope that our hardy seamen, to whose enterprize our country is indebted for the oil we burn, may find a knowledge of this process, most useful to themselves. For its rationale and greater details, we

COMMUNICATED.

Infallible cure for the Rheumatism.

Take sharp vinegar (the sharper the better) and rub well the part affected with it, as warm as the patient can bear, for ten minutes, and apply wrapping paper to it dipt in vinegar, to offered for sale in quantities of from five hundred to before breakfast, and in the evening going to between Mattamaskat Lake and the Sound-and withbed. When the patient begins to make use of in 25 miles of Ocracock Bar, with navigation to the the vinegar, it is necessary to take a strong Barn-door; accompanied with all the benefits of fish

ed it twice on himself with success.

A new and valuable Styptic. which will stop stances, is desirous of leaving the state. bleeding even of the largest blood vessels.

ces; Castile soap two drachms; pearl ash one modating terms. drachm; scrape the soap fine, and dissolve

t in the brandy; then add the pearl-ash, mix it The Linnæn Botanic Garden, well together, and keep it close in a phial .-When you apply it. let it be warmed, and dip ledgets of lint in it, and the blood will immediately congeal.

It operates by coagulating the blood a considerable way within the vessel: a few applica- among which are about one thousand varieties of the tions may be necessary where the wound is deep, or where a limb is cut off.

### RATS.

For their destruction, cut a piece of sponge into small pieces, dampen them a little in anniseed-then dip them in some melted dripping or fat. Lay them in the places infested, and it will be found equal to the most expensive or troublesome preparation.

### To Plough Maker s.

The model of a new Excavator or Labour it is said, with the power of two men will scoop bushels of rye per hour. up and discharge, several feet from the bed of a deep.

Boston Com. Gaz.

### the farmer.

BALTIMORE, FRIDAY, DECEMBER 7, 1821.

### PRICES CURRENT.

refer those who have not the volumes of the Society at hand, to a valuable publication, the Emporium of Arts and Sciences, published at Philadelphia, by Prothessor Coxe.

Edit. Am. Farmer.

Flour from the wagons \$6.6\frac{1}{2}\to \$6.12\frac{1}{2}\to Wharf Flour, 1000 bbls. at 90 days at \$6\to Whiskey from the wagons, \$1 cts exclusive of bbl.—Wheat, white, \$1.30 at 32\to Red, do. \$1.25 at 30\to Corn, old, 55\to Rye, 60\to Oats, 34\to Marketing, same as

Maryland Tobacco-Fine vellow, none-good do. none-Fine Patuxent, red, \$8 to 10-good, do. \$5 50 to 7 50-Inferior, \$4 to 5, and in demand-Very inferior, no demand.

Virginia and Kentucky Tobacco-no sales.

### To the Lovers of Rich Land.

physic, and at the same time a spoonful of mo-tasses and flour of sulphur, mixed together be-fore breakfast, and another when going to bed; in a few days the patient will be perfectly cured.

Same time a spoonful of mo-all the markets in the world for the produce of the land. The land will produce from 40 to 50 bushels of Indian corn to the acre for 100 years, without ma-nure, with the slightest advantage of rotation of crops. It requires no rest. It is well adapted to the The person who publishes this receipt has tri- cultivation of wheat, cotton, and the grape. A more particular description is deemed unnecessary, as any one desirous of purchasing, it is presumed would wish to view the country. It is offered for sale, because the present proprietor, from peculiar circum-

By application to the editor of the American Farmer, information will be received as to the address of Take of brandy or common spirits two oun-s; Castile soap two drachus; pearl-ash one

At Long-Island, New-York,

### William Prince, Proprietor,

Now contains upwards of 4000 species and varieties of Asiatic and Native TREES and PLANTS finest Fruit of Europe and Asia imported at a great expense from the most celebrated collections in England, France and Germany. This immense collection has been the labor of more than half a century, and is now considered at least inferior to none. Catalogues of those considered most worthy of cultivation, may be had of the subscriber, who will receive and forward orders.

CHARLES R. PEARCE. 76 Bowly's wharf.

nov. 30

### English Thrashing Machines.

The subscribers offer for sale two English Thrashing Machines-a moveable one, the price of which they have reduced to \$375-a stationary one, the price \$325. Many of these machines being now in use, their advantages are well known. They thrash out from 15 to 18 bushels of wheat per hour, or 26

They have also for sale two machines that have

No. 47, S. Gay-street,

Baltimore.

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Further particulars, and reference to those who have the machinery in use, by applying as above.

# SHAKERS GARDEN SEEDS.

RAISED AT

NEW-LEBANON, COLUMBIA COUNTY, N. YORK.

And put up in papers, the retail price of each paper is printed opposite to each article.

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Among who	ich at	re the following:	
Per Paper.		Per Paper.	
White Onion, cts.		Large Sugar Pease,	6
Yellow Onion,	121	Early China Beans,	6
Red Onion,	125	Do. Cranberry Beans,	6
Blood Beet,	8	Do. Purple Beans,	6
Scarcity Beet,	8	Running Clapboard-	
Turnip Beet,	6	Beans,	6
Flat Turnip,	8	Running Cranberry-	
Carrot,	6	Beans,	6
Parsnip,	6	Large Lima Beans,	6
Early Cucumber,	6	Small Lima do. early	
Cucumber,	6	Whites,	6
Long Cucumber,	6	Sage,	6
Scarlet Radish,	6	Summer Savory,	6
Salmon Radish,	6	Red Pepper,	6
Black Winter Radish	6	Asparagus,	6
Yel. Swedish Turnip,	6	Red Celery,	6
French Turnip,	6	White Celery,	6
Early Curled Lettuce	6	Watermelon,	6
Ice Lettuce,	6	Muskmelon,	6
Head Lettuce,	6	Winter Crookneck	
Green Lettuce,	6	Squash,	6
Early Cabbage,	6	Summer do. do.	4
Drum head Winter-		Do. Scollop Squash,	4
Cabbage,	6	Pepper Grass,	4
Savoy Cabbage,	6	Parsley,	4
Red Cabbage,	6	Saffron,	4
Cauliflower Cabbage,	6	Burnet,	4
Early Frame Pease,	6	Rue,	4
Early Hotspur Pease,	6	A STATE OF THE STA	
dec. 7			

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